

## A B S T R A C T

A method of optimizing the performance of a mobile radio system in which different transfer modes correspond 5 to different bit rates corresponding to different modulation schemes and the protocol architecture uses a radio link control layer that can operate in an acknowledged mode or in a non-acknowledged mode, in which method, in a transfer mode corresponding to the highest 10 bit rates, acknowledgment information is sent in the non-acknowledged mode from a radio link control receiver to a radio link control sender and can be taken into account by the radio link control sender.